

ABSTRACT

1
2 A machine for injecting liquids. An air booster pump is adapted to receive injectate. The
3 air booster pump is in fluid communication with one or more heads having apertures for nozzles.
4 A hollow tube is preferably, but not necessarily, located within each head and is in fluid
5 communication with the air booster pump. Injectate flows from the air booster pump into the
6 head, preferably through the apertures in the wall of the hollow tube. Preferably, but not
7 necessarily, the head is designed so that upon installation one point of the inside of the head will
8 be at the highest elevation. Near such point the head has an escape aperture so that any gas
9 within the injectate that enters the head will tend to flow to and through such escape aperture.
10 Furthermore, a return line preferably, but not necessarily, takes injectate that flows through the
11 escape aperture to the low-pressure side of the air booster pump. And also, a drain, in a work
12 surface to which the head is preferably, but not necessarily, mounted, preferably, but not
13 necessarily, reclaims injectate and transports it to the low-pressure side of the air booster pump.
14 Filters exist for the injectate; a main injectate filter can preferably be replaced while the Machine
15 is operating. And the Machine preferably includes a computer device for controlling its
16 components and operation.